

DIA FOR DIAXX-2 AND DIAAP-9

SAC FOR DI AND RECON CENTRAL

REF: DIA 31033Z, MAR 70 (IN 45000)

SUBJECT: EVALUATION OF GIANT SCALE MSNS S-226 AND S-237

NPIC EVALUATED THE ORIGINAL NEGATIVES FROM MSNS S-226, FLOWN
 FEB 70 AND S-237 FLOWN 19 MAR 70. COMMENTS ON IMAGE QUALITY ARE
 APPLICABLE TO ORIGINAL NEGATIVES.

2. MISSION S-226:

A. QUALITY SUMMARY: THE MSN IS HALF THE LENGTH OF NORMAL MSNS OF THIS TYPE. IN ADDITION, 40 PERCENT WAS ACQUIRED OVER WATER AND 20 PERCENT OF THE REMAINING IMAGERY IS OBSCURED BY CLOUDS AND HAZE. CAMERAS OPERATED SATISFACTORILY THROUGHOUT AND PROVIDED FAIR IMAGE QUALITY IN ISOLATED AREAS. EMPIRICAL GROUND RESOLUTION ESTIMATES OF THE BEST IMAGERY IN CLOUD FREE AREAS ARE AS FOLLOWS:

S E C R E T

AUTHENTICATING OFFICER

RELEASING OFFICER

REPRODUCTION BY OTHER THAN THE ISSUING OFFICE IS PROHIBITED. Copy No.

Signal Center Transmission Copy – DO NOT DETACH – Forward with Master

Approved For Release 2009/04/02: CIA-RDP78B03824A000300020012-9

25X1

. Approved For R	Release 2009/04/02 : CIA-RDP78	B0382	24A000300020	012-9		
	CLASSIFIED MESSAGE		ROUTING			
ORIG: UNIT: EXT: DATE:	SECRET	1 2 3		4 5 6		
то :						
FROM:		P R E C	DEFERRED	PRIORITY	INITIALS	
CONF:		EDENCE	ROUTINE	OPERATIONAL IMMEDIATE	INITIALS	
PAGE 2 OF 4						
	INFO		CITE			

O INFO

- (1) LEFT TEOC:
- (2) RIGHT TEOC:
- (3) LEFT OOC:
- (4) RIGHT OOC:

B. ANALYSIS OF TEOC:

- (1) LEFT TEOC (S/N 64-23): MINOR ROLLER CHATTER AT
 BEGINNING OF MISSION. IN SEVERAL CASES, DATA CHAMBERS FALL
 WITHIN FORMAT. SIXTY PERCENT OF FRAMES ACQUIRED AT OBLIQUITIES
 GREATER THAN 30 DEGREES.
- (2) RIGHT TEOC (S/N 64-24): OPERATED SATISFACTORILY.

 SIXTY-FIVE PERCENT OF FRAMES ACQUIRED OVER 30 DEGREES OBLIQUITY.
- C. ANALYSIS OF OOC:
 - (1) LEFT OOC (S/N 4033): OPERATED SATISFACTORILY.
 - (2) RIGHT OOC (S/N 4004): OPERATED SATISFACTORILY.

3. MSN S-237:

A. QUALITY SUMMARY: APPROXIMATELY 75 PERCENT OF THE MISSION IS ACQUIRED OVER WATER OR AFFECTED BY CLOUDS AND HAZE. IN MANY AREAS, DENSITY

RELEASING OFFICER

SECRET

AUTHENTICATING OFFICER

REPRODUCTION BY OTHER THAN THE ISSUING OFFICE IS PROHIBITED. Copy No.

Signal Center Transmission Copy – DO NOT DETACH – Forward with Master Approved For Release 2009/04/02: CIA-RDP78B03824A000300020012-9

	Approved For Release 2009/04/02 : CIA-RDP78B03824A000300020012-9						
CLASSIFIED MESSAGE			ROUTING				
ORIG : UNIT : EXT :	SECRE	1 2 3		4 5 6			
TO :							
FROM: CONF:		PRECEDENC	DEFERRED	PRIORITY OPERATIONAL IMMEDIATE	INITIALS		
PAGE 3 OF 4		ξ					
то	INFO		CITE				
OF ORIGIN	NAL NEGATIVE IS LESS THAN OPTIMUM	, HOWEVER,	BECAUSE OF				

OF ORIGINAL NEGATIVE IS LESS THAN OPTIMUM, HOWEVER, BECAUSE OF THE SPRING SEASON, MANY FRAMES EXHIBIT BOTH SNOW COVERED AND SNOW FREE TERRAIN IMAGERY; THEREFORE, DENSITY VARIATIONS ARE UNAVOIDABLE. CAMERAS OPERATED SATISFACTORILY AND PROVIDED FAIR TO GOOD IMAGE QUALITY. EMPIRICAL GROUND RESOLUTION ESTIMATES OF BEST IMAGERY IN CLOUD FREE FRAMES ARE AS FOLLOWS:

- (1) LEFT TEOC:
- (2) RIGHT TEOC:
- (3) LEFT OOC:
- (4) RIGHT OOC:
- B. ANALYSIS OF TEOC:

RELEASING OFFICER

- (1) LEFT TEOC (S/N 64-15): MINOR LOW FREQUENCY BANDING
 IS PRESENT THROUGHOUT. TWENTY PERCENT OF MATERIAL WAS EXPOSED OVER
 WATER.
- (2) RIGHT TEOC (S/N 64-20): MINOR LOW FREQUENCY BANDING THROUGHOUT.

COORDINATING OFFICERS

SECRET

AUTHENTICATING OFFICER

REPRODUCTION BY OTHER THAN THE ISSUING OFFICE IS PROHIBITED. Copy No.

Signal Center Transmission Copy – DO NOT DETACH – Forward with Master
Approved For Release 2009/04/02: CIA-RDP78B03824A000300020012-9

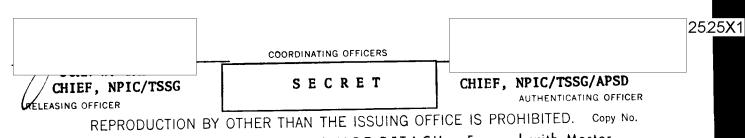
25X1

то	11	NFO			CITE			
P	PAGE 4 OF 4							
,,,,,								
INFO:			C E	<u> </u>			IMMEDIATE	_======
CONF:			E D E	-	ROUTINE		OPERATIONAL	INITIALS
FROM:			P R E C		DEFERRED		PRIORITY	INITIALS
то :								
DATE :			\blacksquare					
EXT :	!		3	<u> </u>			<u> </u>	 1
ORIG : UNIT :		SECRET	2			- -		
	$lue{}$	02.0011.22	1			4		
		CLASSIFIED MESSAGE		•	R	OUTI	NG	
		elease 2009/04/02 : CIA-RDP78E	3038	324/	400030002	2001	2-9	

C. ANALYSIS OF OOC:

- (1) LEFT OOC (S/N 4019): OPERATED SATISFACTORILY.
- (2) RIGHT OOC (S/N 4032): OPERATED SATISFACTORILY.
- 4. THE REPRODUCTIONS RECEIVED AT NPIC ARE SATISFACTORY; HOWEVER,
 OVERALL INTERPRETABILITY IS DIMINISHED BY TERRAIN CONDITIONS (NOTE
 PARA 3A) AND THE FACT THAT ONLY SINGLE LEVEL REPRODUCTIONS WERE PRODUCED.
- 5. COMMENTS: A SLIGHT INCREASE IN EXPOSURE AND A SLIGHT
 DECREASE IN THE PRINTING LEVEL MIGHT HAVE ENHANCED SOME TARGET AREAS;
 HOWEVER, CONCERN EXPRESSED BY PHOTO INTERPRETERS CANNOT BE ATTRIBUTED
 TO ANY MAJOR PROBLEM. LACK OF TERRAIN COVERAGE, ATMOSPHERICS, AND
 SEASONAL CONDITIONS ARE THE APPARENT REASONS FOR THE INTERPRETERS CONCERN.

END OF MESSAGE



Signal Center Transmission Copy – DO NOT DETACH – Forward with Master Approved For Release 2009/04/02: CIA-RDP78B03824A000300020012-9